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NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM
thesaurus
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and
Taiwanese Content Expanded
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human
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NEWS 10 NOV 23 Addition of SCAN format to selected STN databases
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NEWS 13 DEC 01 DGENE, USGENE, and PCTGEN: new percent identity
feature for sorting BLAST answer sets
NEWS 14 DEC 02 Derwent World Patent Index: Japanese FI-TERM
thesaurus added
NEWS 15 DEC 02 PCTGEN enhanced with patent family and legal status
display data from INPADOCDB
NEWS 16 DEC 02 USGENE: Enhanced coverage of bibliographic and
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 01:34:49 ON 19 JAN 2010

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 01:35:02 ON 19 JAN 2010

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Uploading C:\Program Files\Stnexp\Queries\10720702b.str

L1 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\Stnexp\Queries\10720702c.str

L2 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 01:46:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 13498 TO ITERATE

14.8% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 262998 TO 276922
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> search l1
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 01:46:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 268903 TO ITERATE

100.0% PROCESSED 268903 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.05

L4 0 SEA SSS FUL L1

=> search l2
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 01:46:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 268903 TO ITERATE

100.0% PROCESSED 268903 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.05

L5 2 SEA SSS FUL L2

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 392.39 392.61

FILE 'CAPLUS' ENTERED AT 01:47:30 ON 19 JAN 2010
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FILE COVERS 1907 - 19 Jan 2010 VOL 152 ISS 4
FILE LAST UPDATED: 17 Jan 2010 (20100117/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAplus now includes complete International Patent Classification (IPC)

reclassification data for the third quarter of 2009.

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=> s 15

L6 3 L5

=> d 16 fbib ab hitstr

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2009:1612258 CAPLUS

TI Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines. Synthesis and X-ray crystal structures of diazafluoranthene derivatives. [Erratum to document cited in CA151:101110]

AU Rahanyan, Nelli; Linden, Anthony; Baldrige, Kim K.; Siegel, Jay S.

CS Organish-Chemisches Institute, Universitaet Zuerich, Zurich, 8057, Switz.

SO Organic & Biomolecular Chemistry (2009), 7(24), 5273-5274

CODEN: OBCRAK; ISSN: 1477-0520

PB Royal Society of Chemistry

DT Journal; Errata

LA English

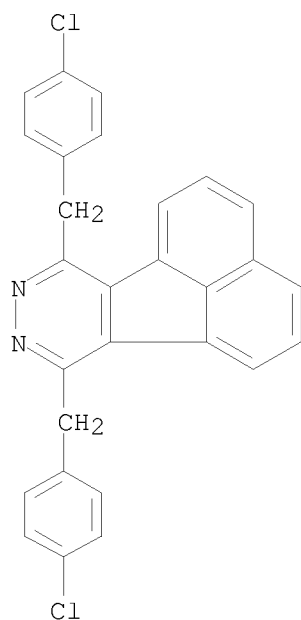
AB On page 2082, Scheme 2 was incorrectly given; the correct version of the scheme is given. On page 2083, in Table 1, the entry for compound 12b, was incorrectly given, and should be omitted; the correct version of the table is given.

IT 1166260-69-0P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure; synthesis of diazafluoranthenes via Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines (Erratum))

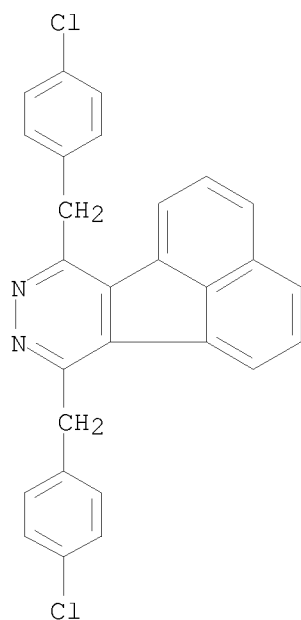
RN 1166260-69-0 CAPLUS

CN Acenaphtho[1,2-d]pyridazine, 7,10-bis[(4-chlorophenyl)methyl]- (CA INDEX NAME)

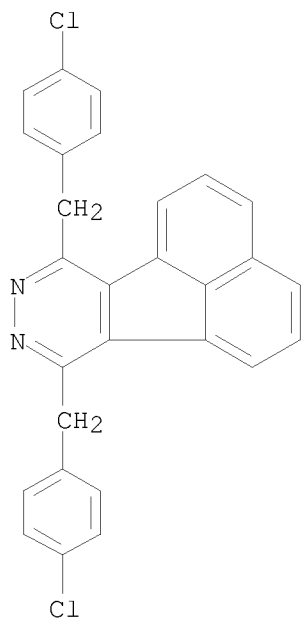


=> d 16 fbib ab hitstr 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2009:1612258 CAPLUS
 TI Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines. Synthesis and X-ray crystal structures of diazafluoranthene derivatives. [Erratum to document cited in CA151:101110]
 AU Rahanyan, Nelli; Linden, Anthony; Baldrige, Kim K.; Siegel, Jay S.
 CS Organisch-Chemisches Institute, Universitaet Zuerich, Zurich, 8057, Switz.
 SO Organic & Biomolecular Chemistry (2009), 7(24), 5273-5274
 CODEN: OBCRAK; ISSN: 1477-0520
 PB Royal Society of Chemistry
 DT Journal; Errata
 LA English
 AB On page 2082, Scheme 2 was incorrectly given; the correct version of the scheme is given. On page 2083, in Table 1, the entry for compound 12b, was incorrectly given, and should be omitted; the correct version of the table is given.
 IT 1166260-69-0P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (crystal structure; synthesis of diazafluoranthenes via Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines (Erratum))
 RN 1166260-69-0 CAPLUS
 CN Acenaphtho[1,2-d]pyridazine, 7,10-bis[(4-chlorophenyl)methyl]- (CA INDEX NAME)



L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2009:554697 CAPLUS
 DN 151:101110
 TI Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines. Synthesis and X-ray crystal structures of diazafluoranthene derivatives
 AU Rahanyan, Nelli; Linden, Anthony; Baldrige, Kim K.; Siegel, Jay S.
 CS Organisch-Chemisches Institute, Universitaet Zuerich, Zurich, 8057, Switz.
 SO Organic & Biomolecular Chemistry (2009), 7(10), 2082-2092
 CODEN: OBCRAK; ISSN: 1477-0520
 PB Royal Society of Chemistry
 DT Journal
 LA English
 OS CASREACT 151:101110
 AB The synthesis of a series of 3,6-disubstituted-1,2,4,5-tetrazines has been effected using an inverse electron demand [2 + 4] cycloaddn. strategy. The crystal structures of 18 members of this series of diazafluoranthenes are reported. Stereochem. anal. shows that diazafluoranthenes, substituted across the bay region, are helically-twisted strained aromatic mols. The dihedral angle between pyridazyl vs naphthyl rings ranges from 0.5° to 20.9°, and follows the degree of steric congestion in the bay region. The crystal structures are compared to computational structures determined using d. functional theory, with the M06-2X/cc-pVDZ method.
 IT 1166260-69-0P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (crystal structure; synthesis of diazafluoranthenes via Diels-Alder reactions of 3,6-disubstituted 1,2,4,5-tetrazines)
 RN 1166260-69-0 CAPLUS
 CN Acenaphtho[1,2-d]pyridazine, 7,10-bis[(4-chlorophenyl)methyl]- (CA INDEX NAME)



RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2003:263994 CAPLUS
DN 139:6845
TI Synthesis and Inverse Electron Demand Diels-Alder Reactions of
3,6-Bis(3,4-dimethoxybenzoyl)-1,2,4,5-tetrazine
AU Soenen, Danielle R.; Zimpleman, Jeffrey M.; Boger, Dale L.
CS Department of Chemistry and the Skaggs Institute for Chemical Biology, The
Scripps Research Institute, La Jolla, CA, 92037, USA
SO Journal of Organic Chemistry (2003), 68(9), 3593-3598
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 139:6845
AB 3,6-Bis(3,4-dimethoxybenzoyl)-1,2,4,5-tetrazine I [R = 3,4-(MeO)2C6H3] is prepared in five steps from 3,4-dimethoxybenzaldehyde; I undergoes inverse electron demand Diels-Alder reactions with a variety of electron-rich alkenes and alkynes and imine derivs. to yield pyridazines and 1,2,4-triazines such as II and III [R = 3,4-(MeO)2C6H3]. Reaction of 3,4-dimethoxybenzaldehyde with trimethylsilyl cyanide and zinc iodide yields a cyanohydrin which undergoes ethanol addition with HCl to yield an imidate salt; addition of the imidate salt to neat hydrazine hydrate followed by oxidation with iron (III) chloride and Dess-Martin oxidation provides I [R = 3,4-(MeO)2C6H3]. I [R = 3,4-(MeO)2C6H3] is unstable in protic solvents such as methanol and to silica gel chromatog. but can be readily purified by trituration from Et acetate. I [R = 3,4-(MeO)2C6H3] undergoes cycloaddn. with enamines, ynamines, enol and alkynyl ethers, ketene acetals, and p-chlorobenzimidates to yield pyridazines and 1,2,4-triazines in 31-100% yields; elimination of the alkoxy or amine leaving groups after loss of N2 can be accelerated by treatment of the intermediate mixture with acetic acid in benzene. Acetophenone dimethylhydrazone and O-Me oxime

undergo tautomerization to substituted (dimethylhydrazino) and (methoxyamino)styrenes which undergo cycloaddn. and elimination reactions with I to yield substituted pyridazines in 44-54% yields. Electron-deficient substrates such as Me propiolate react with I [R = 3,4-(MeO)2C6H3] but require higher temps.; neither diphenylacetylene or the hindered enol ether (Z)-1,2-di(p-methoxyphenyl)-1-methoxyethene undergo reaction with I [R = 3,4-(MeO)2C6H3].

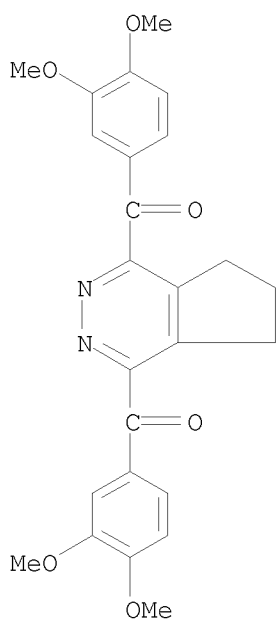
IT 534619-55-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of a 3,6-dibenzoyl-1,2,4,5-tetrazine and its inverse electron demand Diels-Alder reactions with electron-rich alkenes and alkynes and imine derivs. to yield pyridazines and 1,2,4-triazines)

RN 534619-55-1 CAPLUS

CN Methanone, (6,7-dihydro-5H-cyclopenta[d]pyridazine-1,4-diyl)bis[(3,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



OSC.G 23 THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)
 RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT